

PUBLIC NOTICE

APPLICANT: TDOT

505 Deadrick Street
Suite 900 James K Polk Bldg.
Nashville, TN 37243-0339
(615) 253-2477

PERMIT APPLICATION: NRS #06.063

LOCATION:

Hamburg Road at Hatley Creek, Log Mile 0.04
Site Lat.35.1005° Long. -88.2730°
Hardin County

WATERSHED DESCRIPTION: The project is located in the Tennessee Western Valley-Beech Watershed (HUC 06040001), which drains approximately 2,097 sq. miles. Land use surrounding the project is agricultural, row cropping. Four streams will be impacted, Hatley Creek (Stream 1) and three unnamed tributaries to Hatley Creek (Streams 2, 3, and 4). Hatley Creek has a wooded canopy and drains to the Tennessee River. Stream 2 flows parallel with Hamburg Road on the east, has shrub canopy, and empties into Hatley Creek upstream of Hamburg Road. Streams 3 and 4 are approximately 4 ft deep with shrub canopy that have been excavated to a depth that causes water to pool for a duration supportive of aquatic life. Streams 3 and 4 combine at the existing culvert 30" metal pipe before flowing into Stream 2. Hatley Creek and Stream 2 each have highly erodible banks with wooded canopy and sand/gravel substrate. Hatley Creek and the associated tributaries have not been assessed with regard to meeting their designated uses. USGS Topo Quad: Counce, TN (13 SE)

PROJECT DESCRIPTION: This application is for aquatic resource alterations along a 0.130-mile segment of Hamburg Road including realignment of Nixon Loop Road intersection.

Proposed for Hatley Creek Station 58+27.50 is the removal and replacement of the existing single span bridge with a 40 ft 1-span concrete girder bridge, plus 70' of rip rap bank stabilization on the left descending (southern) bank and 120' of rip rap on the right descending (northern) bank. A storm water outfall is proposed for the right descending bank, downstream from Hamburg Road, Station 58+50 Left. The outfall is to be a sod ditch extending from Nixon Loop.

Stream 2 is to be relocated, Stations 58+30 Rt to Station 60+50 Rt. The existing stream channel in the project area is 194 ft. The proposed stream channel is to be 212 ft with 70 ft of rip rap lining a portion of the channel and 142 ft of turf reinforcement mat lining a portion of the channel. Proposed as mitigation is \$23,000.00-\$10,600.00 for the 70 ft of rip rap lined channel and \$12,400.00 for the turf reinforcement mat lined channel

Stream 3/4, Station 68+38.56, is to have a 6 ft extension of the existing 29.77ft of 30 in. corrugated metal pipe, for a total encapsulation of approximately 36ft with 10 ft riprap scour pad at the inlet.

In accordance with the Tennessee Antidegradation Statement (Rule 1200-4-3-.06), the Division has determined that the proposed activity will not result in degradation to the streams described above.

PERMIT COORDINATOR: Judy Manners

PHOTOS:



Photo 1- Hatley Creek downstream of Hamburg Road bridge



Photo 2- Hatley Creek facing downstream toward Hamburg Road bridge



Photo 3- Stream 2 unnamed tributary to Hatley Creek



Photo 4-Confluence of Stream 2 with Hatley Creek



Photo 5-Stream 3 facing downstream toward Hamburg Road



Photo 6-Stream 3 confluence with Stream 2



Photo 7-Stream 4

MILDRED D. CROUSE

PASTURE

5'10" 5'7" 5'7" 5'7" 4'5" 4'2" 4'11"
W 2'0" 2'0" 2'0" 2'0" 2'0" 2'0" 2'0"
E 1'5" 1'5" 1'5" 1'5" 1'5" 1'5" 1'5"
L 1'3" 1'3" 1'3" 1'3" 1'3" 1'3" 1'3"
BENCH TIE IN SIDE 24" BECK

PC 59+T2-00

END PROJ. NO. BRZE-3600(25) CONST.
STA. 61+75.00
N 287396.0379
E 1288637.0525

36032-2404-94
END PROJ. NO. BRZE-3600(25) R.O.W.

STA. 62+25.00
N 287415.0139
E 1288683.3117

CHW 3
5400 RD Road
F1 56-98, 94
A 287,000.9842
E 1,280,415.0519
A 5, 30, 46 (GT)

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SE 0.035 FT/FT
DIS12H SPEED 30 MPH
TEAMS. LEADT- 100.00
E WAK 0.080 FT/FT

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SE 0.074 FT/FT
*CESSION SPEED 25 MPH
*THICK- LENGTH 113.00'
E MAX 0.080 FT/FT
*CRITICAL THICKNESS
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AND ALL OTHER ADJUSTED
FACTORS 10-000 & TTD TO 1

DEPARTMENT OF TRANSPORTATION

Location Map

N

END PROJECT



HARDIN

APPLICATION BY:

TENNESSEE DEPARTMENT OF TRANSPORTATION

PE # 36032-1403-94

EED. AID # BBZE-3600(25)

PIN # 101566.00

HAMBURG ROAD - BRIDGE AND APPROACHES

OVER BATLEY CREEK AT LM Q.04

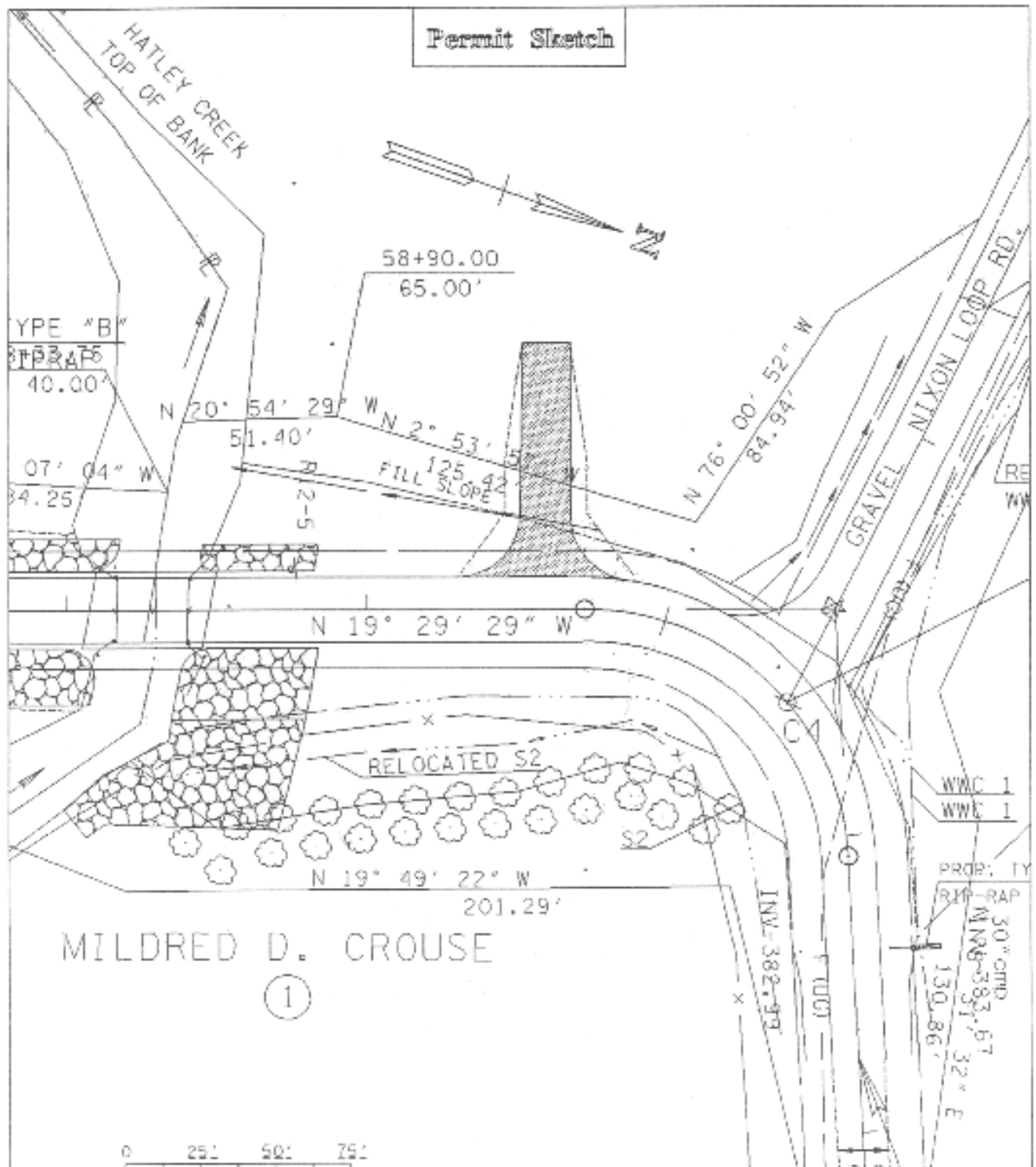
HARDIN COUNTY - NEAR COUNCIL, TN

DATE: 01/11/06

REVISED: _/_/_/_

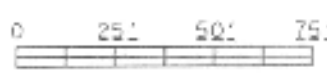
SHEET 1 OF 4

Permit Sketch



MILDRED D. CROUSE

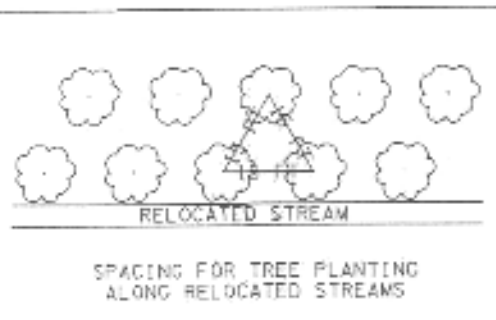
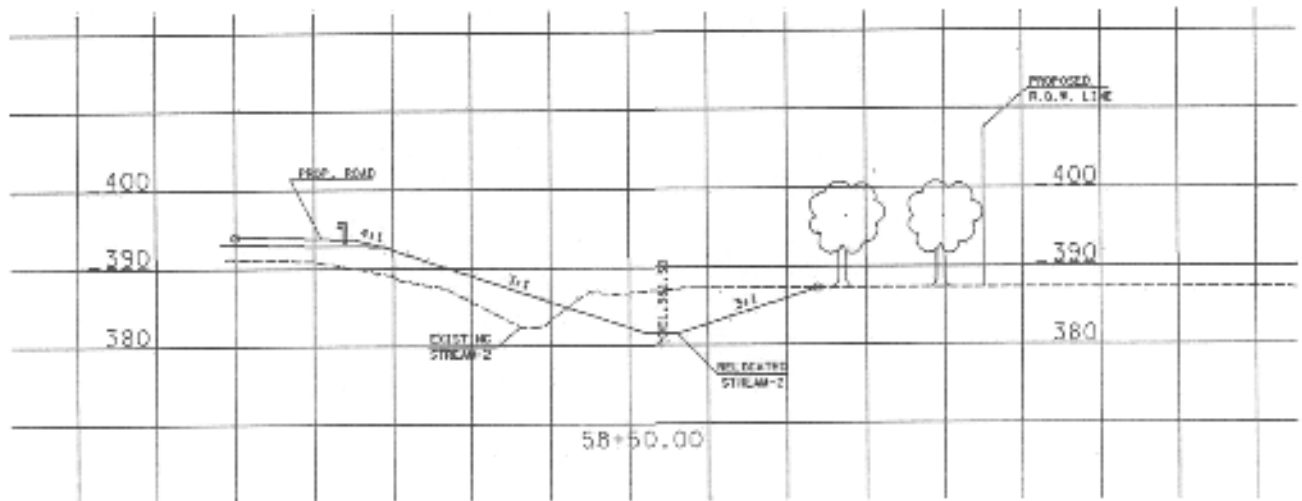
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S2 IMPACTS	
EXISTING STREAM IMPACT	= 194 L.F.
PROPOSED STREAM LENGTH	= 212 L.F.

APPLICATION BY:
 TENNESSEE DEPARTMENT OF TRANSPORTATION
 PROJECT No. 36032-1403-94
 EED. AID PROJECT # BRZE-3600(25)
 PIN # 101566.00
 HAMBURG ROAD - BRIDGE OVER HATLEY
 CREEK AT LM 0.04
 HARDIN COUNTY - NEAR COUNCE, IN

Permit Sketch

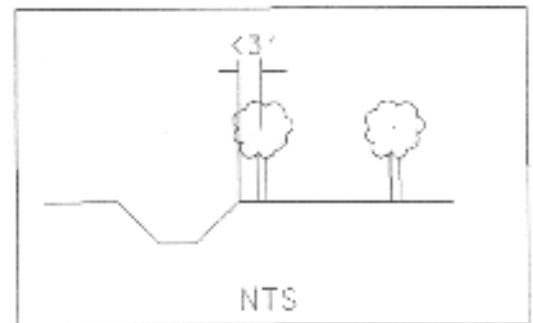


SECTION A-A

SCALE:

1" = H

1" = V



ITEM NO.	DESCRIPTION	UNIT	QUANTITY
802-0110	TREES (LIQUIDAMBAR STYRACIFLUA 1 1/4" - 1 1/2" CAL. B&B)	EACH	5
802-0111	TREES (PLANTANUS OCCIDENTALIS 1 1/4" - 1 1/2" CAL. B&B)	EACH	5
802-0112	TREES (FAGUS GRANDIFOLIA 1 1/4" - 1 1/2" CAL. B&B)	EACH	5
802-0113	TREES (ACER NEGUNDO 1 1/4" - 1 1/2" CAL. B&B)	EACH	5
802-0114	TREES (QUERCUS FALCATA 1 1/4" - 1 1/2" CAL. B&B)	EACH	5

* No substitutions of tree species or sizes shall be allowed without the written approval of the TDOT Environmental Division. Concerning stream mitigation, trees shall be of the variety requested, well branched, ball and burlapped, and first quality. No clones or cultivars will be accepted. Any found to be incorrect species, or improperly planted, at any time prior to termination of the contract shall be removed and replaced at the contractor's expense. Stakes and wires shall be removed immediately prior to contract termination, unless otherwise directed by the engineer.

* The contractor should arrange several months ahead of time to obtain the correct tree species, as some may require some time to locate.

* All trees planted shall be wrapped as per section 802.07 of TDOT standard specifications for the road and bridge construction.

* Trees shall be watered as required through the period of establishment to insure survival.

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TENNESSEE DEPARTMENT OF TRANSPORTATION
PROJECT No. 36032-1403-94
EED, AID PROJECT # BRZE-3600(25)
PIN # 101566.00
HAMBURG ROAD - BRIDGE OVER HATLEY
CREEK AT LM 0.04
HARDIN COUNTY - NEAR COUNCE, TN

DATE: 01/11/06

REVISED: __/__/__

SHEET 3 OF 4

Permit Sketch

410

405

400

395

390

385

380

375

$K = 37$
 $VC = 475.00'$
 $V = 30 \text{ MPH}$

STA. 65+50.12 HAMBURG ROAD =
 STA. 30+00 HATLEY ROAD

VPI 60+67.50
 EL. 387.16

VPI 60+93.00
 EL. 387.11

VPI 61+75.00
 EL. 387.73

-13.01%

-0.21%

-0.24%

GRAPHICAL GRADE

+0.50%

+0.44%

VPI 58+30.00
 EL. 387.65

RELOCATED S-2 58+50.00
 EL. 381.50

RELOCATED S-2
 59+50.00

EL. 382.00

RELOCATED S-2 60+50.00
 EL. 382.24

58+00

59+00

60+00

61+00

APPLICATION BY:

TENNESSEE DEPARTMENT OF TRANSPORTATION
 PROJECT No. 36032-1403-94

EED. AID PROJECT # B02E-3600(25)

PIN # 101566.00

HAMBURG ROAD - BRIDGE OVER HATLEY

CREEK AT LM 0.04

HARDIN COUNTY NEAR COUNCE, IN

DATE: 01/11/06

REVISED: --/--/--

SHEET 4 OF 4